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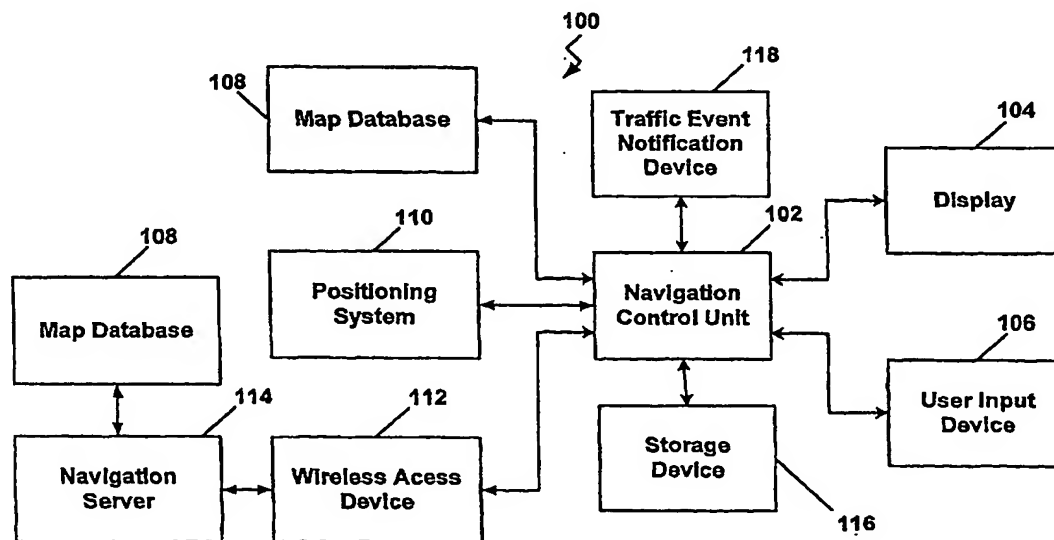
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(54) Title: ROUTE CALCULATION AROUND TRAFFIC OBSTACLES USING MARKED DIVERSIONS



(57) Abstract: A vehicle navigation system (100; fig. 1) that includes a route calculation module (204; fig. 2) that is operable to use marked diversions to avoid traffic events. The navigation system includes a simulation module (212) that is used to simulate traffic events that may occur along a route to a trip destination. A diversion module (214) is used to calculate a plurality of marked diversions that avoid the traffic events that may occur along the route. If a traffic event occurs along the route, the route calculation module only searches roads that contain a marked diversion to determine an alternative route around the traffic event.